

Appl. No. 10,527,952; Docket No. NL02 0869 US
Amdt. dated 9-FEB-2006
Amendment

Amendments to the Claims

1. (CANCELED)
2. (CANCELED)
3. (CURRENTLY AMNEDED) A light generating device comprising:
a slab light guide having two substantially parallel sides and at least one
edge, the edge having a surface connecting the surfaces of said sides;
at least one light input unit arranged on at least one side of said light guide,
the light input having at least one light source and a light incoupling means for
coupling light into said light guide;
at least one light output unit arranged on at least one side of said light guide
comprising a polarized light emitting waveguide plate for selectively coupling light of
a first polarization state out of said light guide~~Light generating device as claimed in~~
~~claim 1,~~
wherein said waveguide plate comprises a micro-structured anisotropically
light outcoupling layer.
4. (CURRENTLY AMENDED) A ~~L~~light generating device as claimed in claim 3,
wherein said micro-structured anisotropically light outcoupling layer is a liquid
crystalline polymer or a birefringent polymer, in particular PET or PEN.
5. (CURRENTLY AMENDED) A ~~L~~light generating device as claimed in claim ~~3~~4,
wherein said waveguide plate comprises a hologram outcoupling layer.
6. (CURRENTLY AMNEDED) A ~~L~~light generating device as claimed in claim 5,
wherein the Bragg angle is substantially 45°.
7. (CURRENTLY AMNEDED) A ~~L~~light generating device as claimed in claim 5,
wherein the thickness is chosen such that outcoupling is polarization selective.

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8. (CURRENTLY AMENDED) A light generating device as claimed in claim 3, further comprising a reflective polarizer and outcoupling structure.
9. (CURRENTLY AMENDED) A light generating device as claimed in claim 8, wherein said reflective polarizer is a broad band cholesteric network, a multilayer film or a wire grid polarizer.
10. (CURRENTLY AMENDED) A light generating device as claimed in claim 13, wherein said light incoupling means comprises a plurality of incoupling optical elements being in optical contact with the surface of said at least one side of said light guide, said incoupling optical elements having a reflective surface section facing the light source and being aligned substantially parallel to the surface of a side of said light guide and at least one transparent surface section being arranged at an angle different from 0°, in particular at an angle of substantially 90°, with respect to the surface of a side of said light guide.
11. (CURRENTLY AMENDED) A light generating device as claimed in claim 10, wherein said incoupling optical elements are arranged at intervals and wherein between said incoupling optical elements light reflecting means are arranged, in particular a structured reflective foil or structured reflective mask that is substantially not in optical contact with said light guide and is reflective on the side facing the light source.
12. (CURRENTLY AMENDED) A light generating device as claimed in claim 10, wherein said incoupling optical elements and /or said light reflecting means have a light absorbing surface section facing the light guide.
13. (CURRENTLY AMENDED) A light generating device as claimed in claim 10, wherein said incoupling optical elements are arranged at intervals and wherein between said incoupling optical elements light reflecting means are arranged, in particular a reflective layer in optical contact with said light guide that is specularly reflective on the side facing the said light guide.

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14. (CURRENTLY AMNEDED) A Light generating device as claimed in claim 10, wherein a reflective surface section of the said incoupling optical elements is diffusely reflective having a reflectivity of substantially 100% at the side of said reflective surface section facing away from the light guide

15. (CURRENTLY AMNEDED) A Light generating device as claimed in claim ~~13~~, wherein said light guide is provided with light reflection means in particular a specular or diffuse reflector, at its edge.

16-17. (CANCELED)

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Claims 1-17 are pending. Claims 3-7 and 10-14 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form. Applicant thanks the examiner for recognizing the allowable subject matter and has amended the objected to claims in accordance with the examiner's suggestion.

35 USC 102 Rejections

Claims 1-2, 8-9 and 15-17 are rejected under 35 USC 102. In response, 1-2 have been canceled. Rejected claims 8-9 and 15 are amended to depend from allowable claim 3. Claims 16-17 are canceled.

In view of the above amendments, and the remarks set forth herein, Applicant respectfully requests that a timely Notice of Allowance be issued in this case.

Respectfully submitted,

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